

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS D350-588 REV. D, D350-589 REV. E,  
IIN-D350-600 REV. E, AND IIN-D130-780 REV. B AND INSTRUCTIONS FOR CONTINUED  
AIRWORTHINESS ICA-D350-588 REV. 0, ICA-D350-589 REV. 1, ICA-D350-600 REV. 5,  
AND ICA-D130-780 REV. 1

REF CANADIAN STC: SH92-41, SH93-88  
REF FAA STC: SH1012NE, SR00098NY, SR00099NY  
AUSTRIAN STC: ACG.21NE2.093  
REF EASA STC: EASA.IM.R.S.01292

## PURPOSE:

The purpose of this DSI (Dart Service Instruction) is to introduce DSI 9585-011 and DSI 9585-013 Latch Repair Kits for D2586 Latches whose springs have failed or have been lost in service. Replacement procedures are as follows:

## PROCEDURE:

### TORSION SPRING REPLACEMENT (DSI 9585-011 KIT):

- 1) Remove D2586 Latch by unfastening the MS27039-1-XX Screw and associated hardware. Retain all hardware/parts.
- 2) Remove and discard roll pin with adequate tool. Discard existing failed spring.
- 3) Install D4518-1 Torsion Spring by inserting provided MS39086-133 Coiled Spring Pin in place using adequate tool. Refer to Figure 1 of this service instruction.
- 4) Reinstall repaired D2586 Latch in accordance with respective STC using the hardware/parts removed at Step 1 above.

### LOCK BARREL SPRING REPLACEMENT (DSI 9585-013 KIT):

- 1) Remove D2586 Latch by unfastening the MS27039-1-XX Screw and associated hardware. Retain all hardware/parts.
- 2) Remove and discard roll pin with adequate tool. Discard existing failed spring.
- 3) Install D4518-3 Lock Barrel Spring by inserting provided MS39086-133 Coiled Spring Pin in place using adequate tool. Refer to Figure 2 of this service instruction.
- 4) Reinstall repaired D2586 Latch in accordance with respective STC using the hardware/parts removed at Step 1 above.

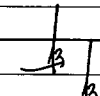
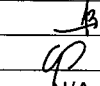
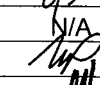
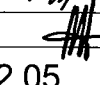

## PARTS LIST

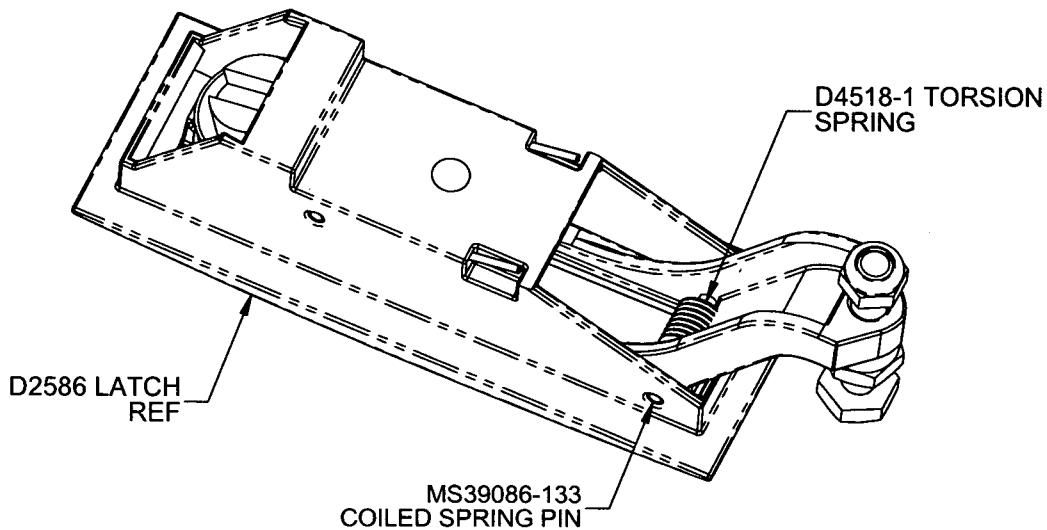
QTY -011	QTY -013	PART NUMBER	DESCRIPTION
X		DSI 9585-011	TORSION SPRING REPLACEMENT KIT
	X	DSI 9585-013	LOCK BARREL SPRING REPLACEMENT KIT
1		D4518-1	TORSION SPRING
	1	D4518-3	LOCK BARREL SPRING
1	1	MS39086-133	COILED SPRING PIN

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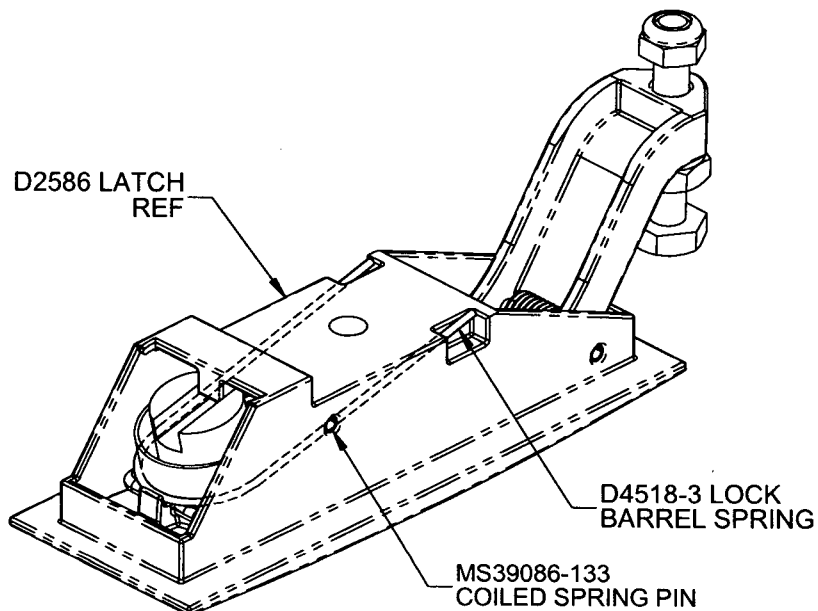
APPROVED  
BY:   
D. SHEPHERD (DE # 02)

DATE:  
CERT. NO.: SH92-41/SH93-88  
ISSUE NO.: 8/6

A	NEW ISSUE	(REF. PAR11-135)	MB	11.12.05
REV.	DESCRIPTION		BY	DATE
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MFG. APPR.	N/A	DSI 9585	SHEET 1 OF 2	
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**FIGURE 1: TORSION SPRING REPLACEMENT (DSI 9585-011)**



**FIGURE 2: LOCK BARREL SPRING REPLACEMENT (DSI 9585-013)**

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